

Patent

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[ABSTRACT]

PURPOSE: To prevent the reaggregation of an aq. component at the outlets of the pores in a porous membrane or partition wall and to prepare a high quality water-in-oil type emulsion by pressurizing and introducing an aq. medium into an oil phase through the membrane or partition wall irradiated with ultrasonic waves. CONSTITUTION: An aq. medium and an oil phase (a hydrophobic solvent contg. a surfactant) are separately poured into chambers divided with a porous membrane or partition wall. The aq. medium is pressurized and introduced into the oil phase through the membrane or partition wall irradiated with ultrasonic waves and the oil phase is emulsified to prepare a water-in- oil type emulsion. By the action of the ultra sonic waves, the breaking and reaggregation of fine drops of an aq. component passing through the porous membrane or partition wall are prevented and the fine drops are simply separated from the surface of the membrane or partition wall and efficiently dispersed in the oil phase. This method is utilized to prepare emulsion products for chemical industry, food industry, cosmetic industry, etc. COPYRIGHT: (C)1990,JPO&Japio